

ABSTRACT

The blade guides of this invention depart from prior art by using the blade to drive thrust rollers, of resilient elastomeric construction, into which the blade's teeth are locked synergistically in an inverse manifestation of the chain and sprocket principle. Lateral thrust force against the blade's teeth is distributed equally along the blade's irregular edge by the correspondingly irregular shape of the elastomeric thrust roller creating an interface of sufficient area to thwart the cutting action of the blade's teeth.

Bandsaws of this invention can cut into a workpiece along a given line, stop, and either retrace that cut with ease, or cut backwards along an entirely different vector.